

FIG. 1

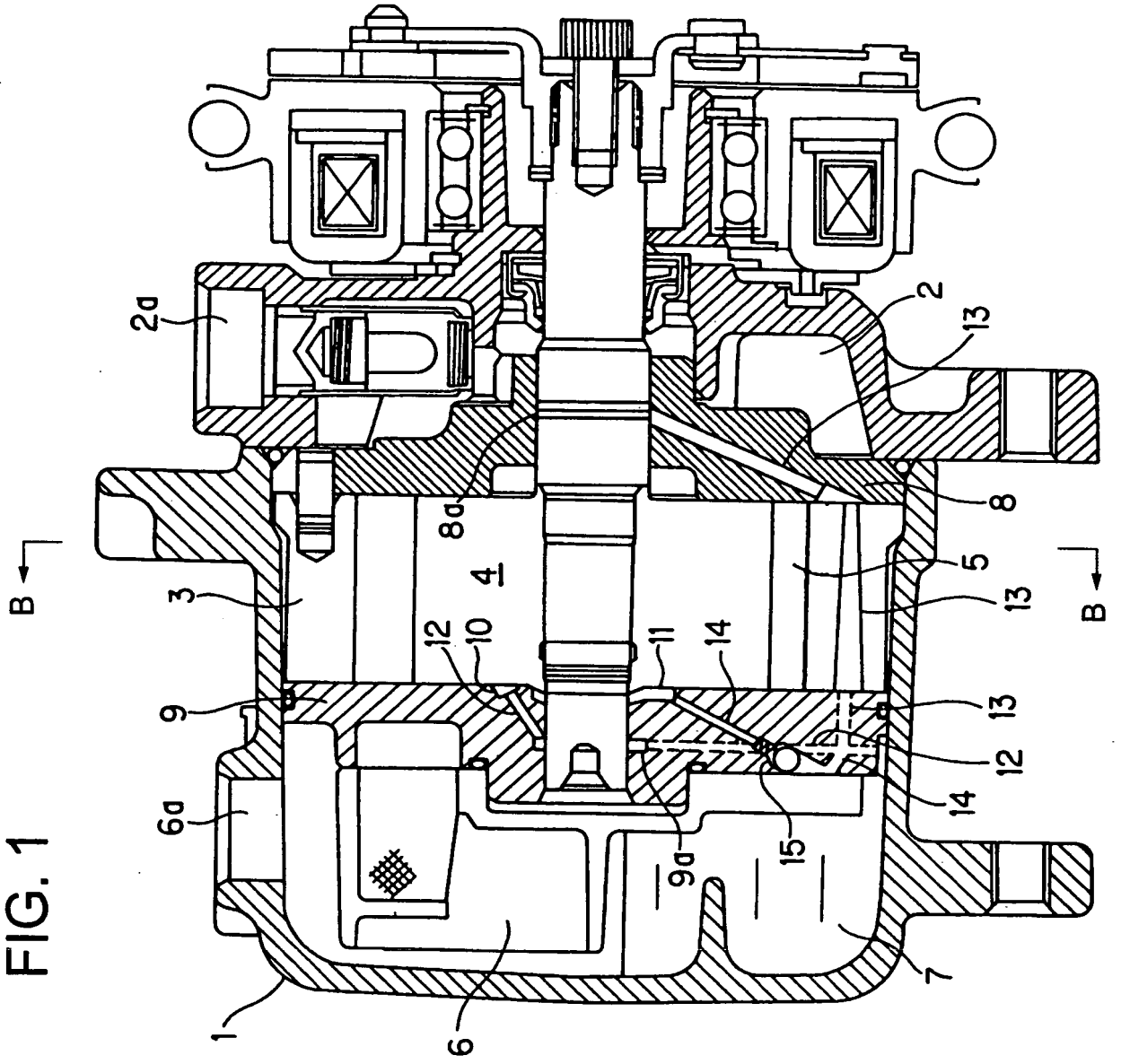


FIG. 2A

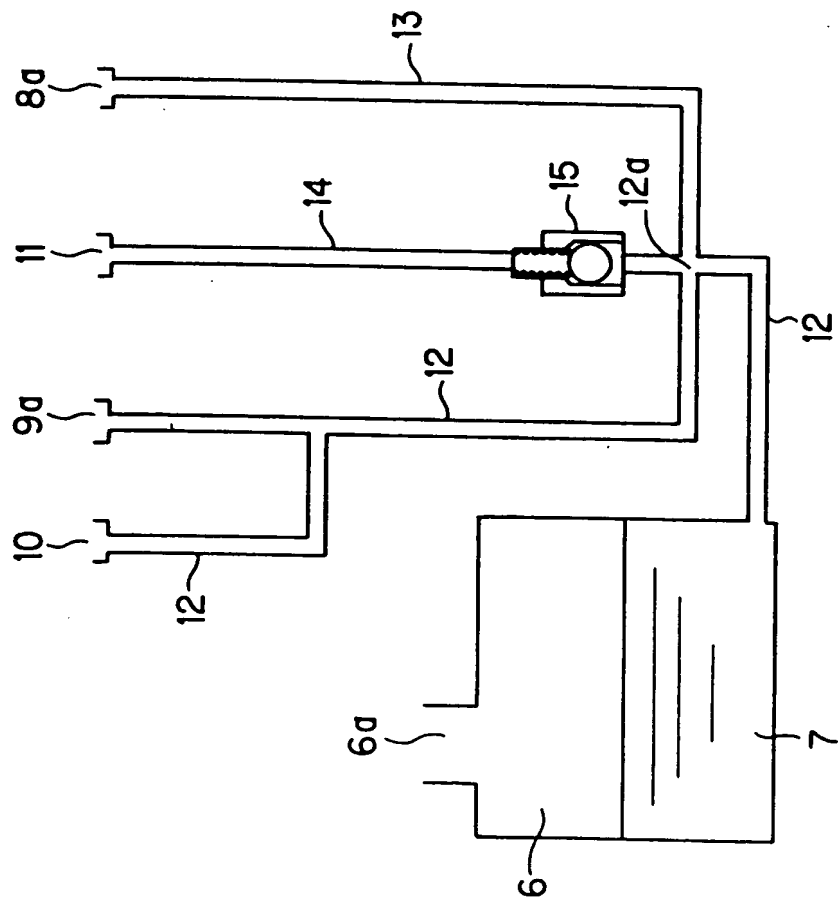


FIG. 2B

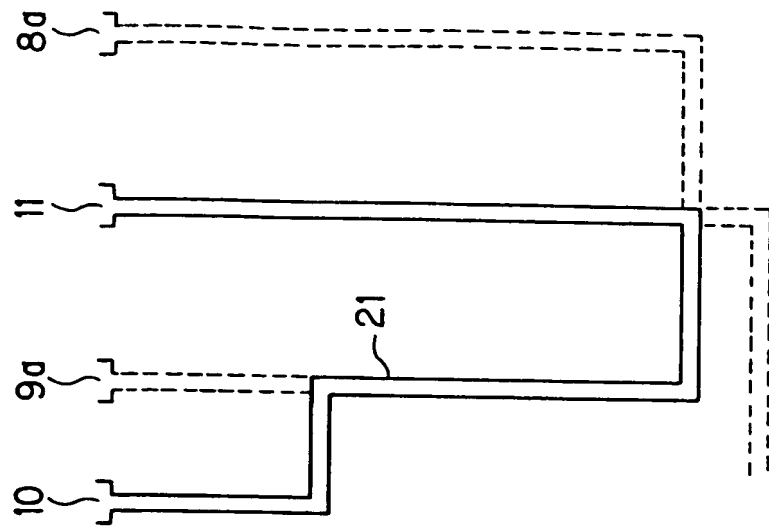


FIG. 3B

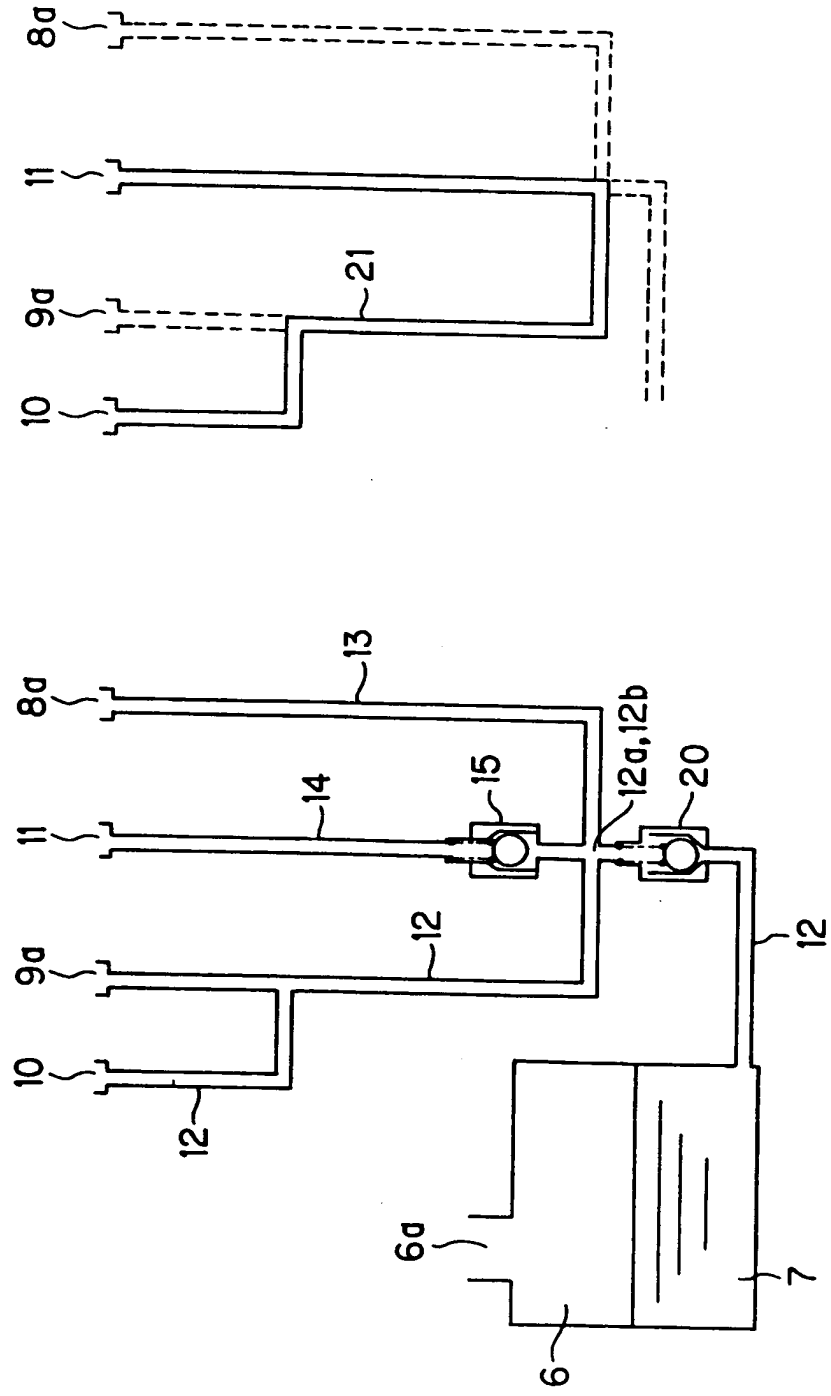


FIG. 4A

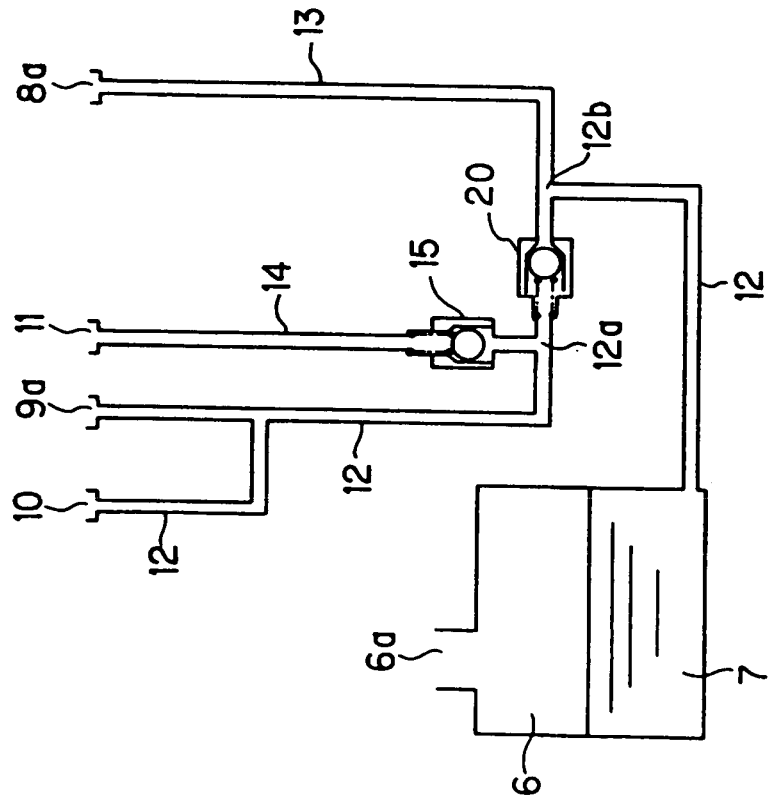


FIG. 4B

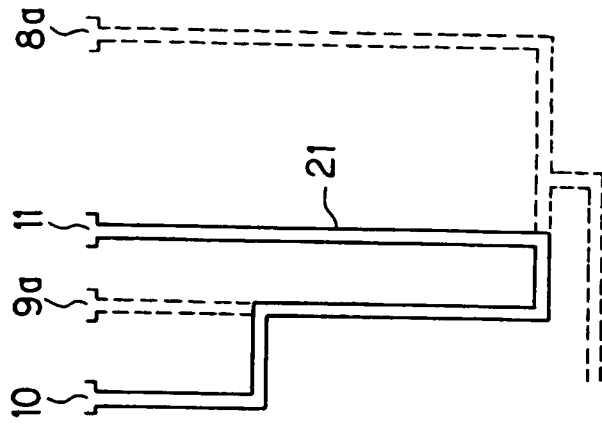
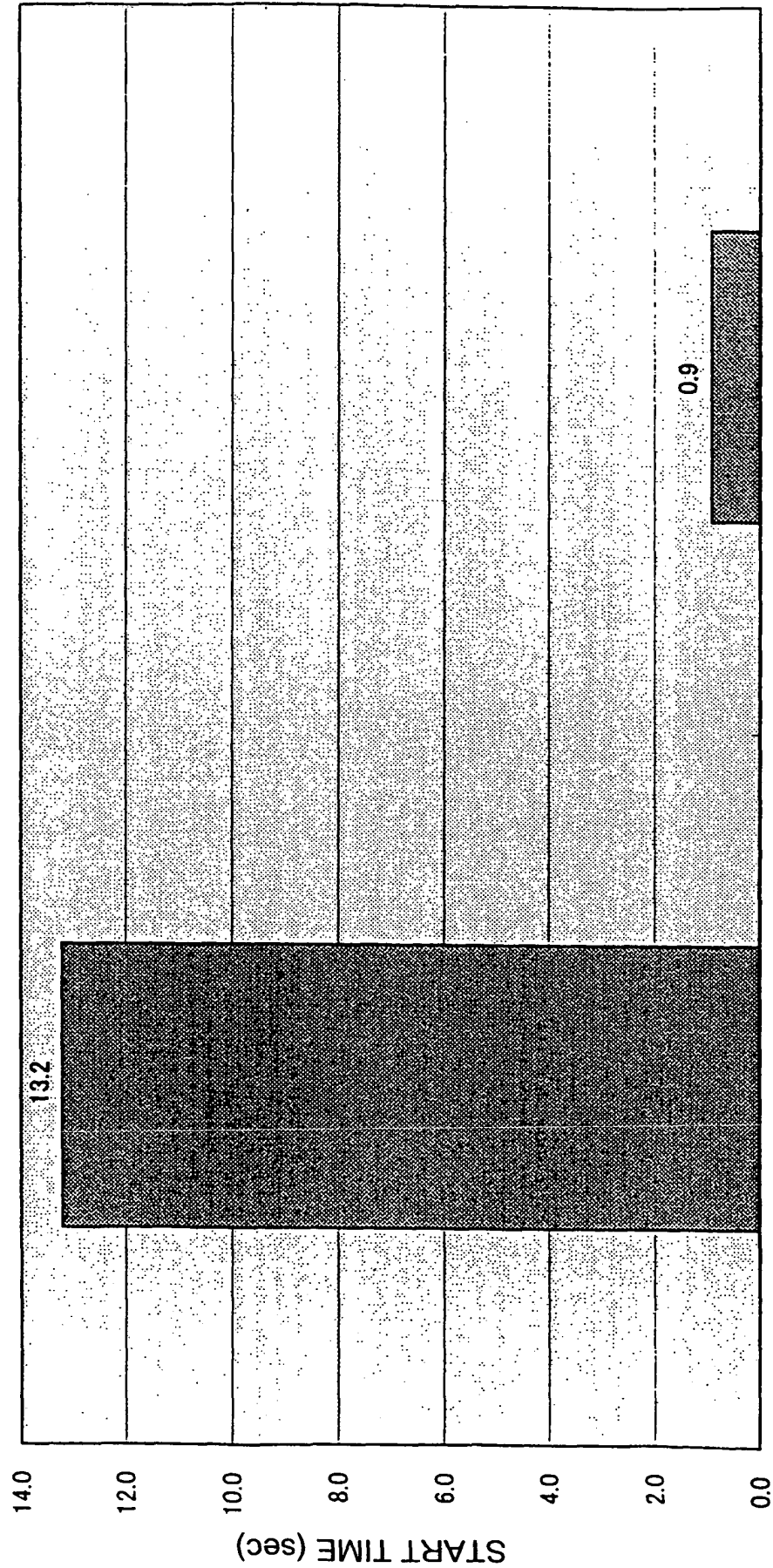


FIG. 5

DIFFERENCE BETWEEN PRIOR ART AND INVENTION OF THIS EMBODIMENT IN TERMS OF
STARTING PERFORMANCE OF GAS COMPRESSOR (AVERAGE VALUES WHEN $n = 10$)

STARTING CONDITIONS $N_c = 800 \text{ rpm}$
 $P_d = 0.392 \text{ MPaG}$, $P_s = 0.420 \text{ MPaG}$



CONVENTIONAL GAS
COMPRESSOR

THIS EMBODIMENT

FIG. 6 is a detailed cross-sectional view of a prior art device. The device features a central shaft (11) passing through a housing (1). The shaft is supported by bearings (10, 12) and has a central component (8a) with a flange (8). The housing has a top flange (2) and a bottom flange (7). The device is shown in a cross-section along line B-B.

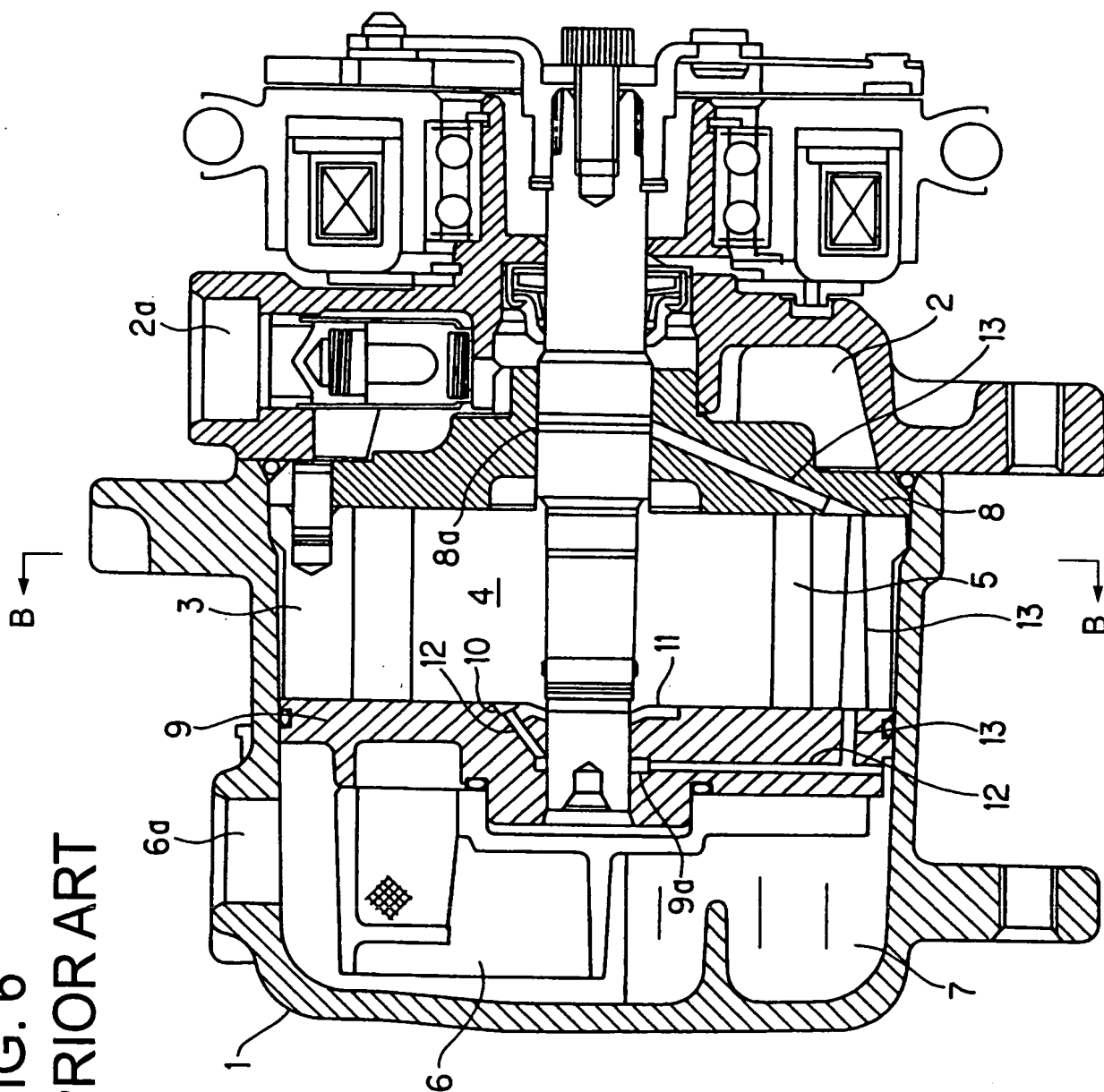


FIG. 7 PRIOR ART

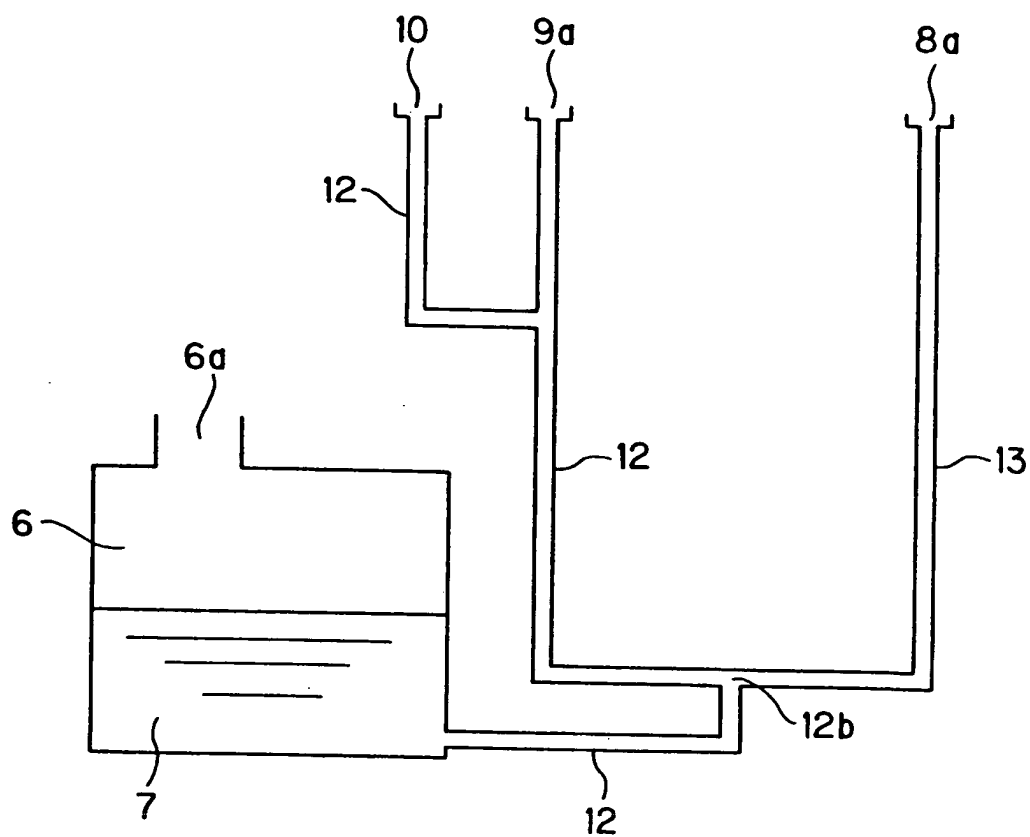


FIG. 8

